

Kannan K

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EDUCATION

Sri Sairam Engineering College

Chennai, India

B.E. Computer Science with Cybersecurity

2024 – 2028

- Chapter Lead, OWASP Student Chapter — organized workshops on OWASP Top 10, secure coding, and hands-on CTF exercises for 50+ students; mentoring juniors entering the field.
- Core Team Member, AWS Student Builder Group — driving cloud security workshops and hands-on builder events for 100+ peers.

SECURITY RESEARCH & RECOGNITION

Vulnerability Disclosure

- **Anthropic VDP** — Identified and reported a security vulnerability to Anthropic's Vulnerability Disclosure Program; acknowledged by the security team. Full PoC documented and published on GitHub.
- **Independent Bug Hunter (2 institutions)** — Discovered high-severity vulnerabilities including sensitive student data leakage across two educational institution platforms. Responsibly disclosed; both acknowledged and resolved.

Awards

- **3rd Place, AWS Hackathon** — Built and presented a cloud-native solution competing against teams of senior-year students.

EXPERIENCE

Security Engineer Intern

Oct. 2025 – Nov. 2025

Sri Sairam Techno Incubator Foundation

Chennai, India

- Conducted white-box penetration testing across 3 services, identifying and documenting critical vulnerabilities — all findings remediated before production release.
- Designed and deployed a PKI-integrated VPN server enforcing encrypted communication across all internal services.
- Implemented secure coding standards and secure SDLC practices across the team's GitLab workflows.
- **Promoted from Web Development Intern to Security Engineer within 1 month** — based on proactive security contributions; the only intern to receive this recognition.

Web Development Intern

Aug. 2025 – Sep. 2025

Sri Sairam Techno Incubator Foundation

Chennai, India

- Built a production microservices platform (FastAPI, PostgreSQL, Next.js, Docker, Kubernetes, Argo CD, AWS); proactively surfaced security gaps across the system, leading directly to promotion.
- Contributed to CI/CD pipelines and containerised deployment workflows on live production systems.

PROJECTS

Cyber Gym | *Docker · FastAPI · Next.js · Open Source*

- Built an AI-assisted cybersecurity lab platform that provisions isolated Docker sandboxes on demand — safe, disposable environments for learners at any skill level, spun up with a single prompt.
- Designed full-stack architecture solo: containerised environments (Docker), async REST backend (FastAPI), modern frontend (Next.js). Fully open-sourced on GitHub.

3XPL0IT3RS | *Full-Stack · RBAC · exploiters.0xkannan.ninja*

- Built and actively maintain a private cybersecurity community for college students — senior write-ups, custom hands-on labs, and strict role-based access controls.
- Handles platform operations end-to-end: infrastructure, content curation, and access management.

TECHNICAL SKILLS

Security: Penetration Testing · White-box Testing · OWASP Top 10 · PKI · VPN · Bug Bounty · Responsible Disclosure

Languages: Python · Bash · C · C++

Infrastructure: Docker · Kubernetes · Argo CD · GitLab CI/CD · AWS · GCP · Azure · Linux

Backend: FastAPI · PostgreSQL · REST APIs · Next.js

Currently Researching: AI browser security · Agentic AI attack surfaces · LLM OWASP Top 10 · Prompt Injection